

PTO/SB/08b(08-03)

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Substitute for form 1449b PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/736,994
Filing Date	December 15, 2003
First Named Inventor	PAUL, Edward L. Jr.
Art Unit	3762 3766
Examiner Name	unassigned BRIAN T. GEDEN
Attorney Docket Number	2C03.1-332

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Btg	A	Letter from Dr. Joel S. Rossen to Dr. Edward L. Paul, inventor of the present invention	
Btg	B	U.S. FDA Document relating to Dr. Joel S. Rossen's invention described in the letter	

Examiner Signature	Brian Geden	Date Considered	3/8/06
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet 1 of 1

Complete If Known

Application Number	10/736,994
Filing Date	December 15, 2003
First Named Inventor	PAUL, Edward L., Jr.
Art Unit	N/A 3766
Examiner Name	N/A BRIAN T. CEDER
Attorney Docket Number	2C03.1-332

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
Btz ↓	A	US-4,989,605	02-05-1991	ROSSEN	
	B	US- 5,395,398	03-07-1995	ROGOZINSKI	
	C	US- 5,522,864	06-04-1996	WALLACE et al.	
	D	US- 5,935,156	08-10-1999	CHANDLER et al.	
	E	US- 6,275,735 B1	10-14-2001	JARDING et al.	
Btz ↓	F	US- 6,549,808 B1	04-15-2003	GISSEL et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner
Signature

Brian Ceder

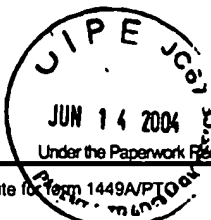
Date
Considered

3/0/06

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**INFORMATION DISCLOSURE
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Sheet 1 of 4

Complete If Known

Application Number	10/736,994
Filing Date	December 15, 2003
First Named Inventor	PAUL, Edward L. Jr.
Art Unit	NIA 3766
Examiner Name	NIA BRIAN T. GEDEON
Attorney Docket Number	42C03.1-332

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
Btz	A	US-Ra 35,987	12-08-1998	HARRIS et al.	
	B	US- 4,712,558	12-15-1987	KIDD et al.	
	C	US- 4,989,605	02-05-1991	ROSSEN	
	D	US- 5,109,847	05-05-1992	LISS et al.	
	E	US- 5,314,423	05-24-1994	SENEY	
	F	US- 5,324,317	06-28-1994	REISS	
	G	US- 5,397,338	03-14-1995	GREY et al.	
	H	US- 5,447,526	09-05-1995	KARSDON	
	I	US- 5,522,864	06-04-1996	WALLACE et al.	
	J	US- 5,549,656	08-27-1996	REISS	
	K	US- 5,571,150	11-05-1996	WERNICKE et al.	
	L	US- 5,611,350	03-18-1997	JOHN	
	M	US- 5,702,428	12-30-1997	TIPPEY et al.	
	N	US- 5,713,940	02-03-1998	KARSDON	
	O	US- 5,800,458	09-01-1998	WINGROVE	
	P	US- 5,851,223	12-22-1998	LISS et al.	
	Q	US- 5,935,156	08-10-1999	CHANDLER et al.	
	R	US- 5,964,789	10-12-1999	KARSDON	
	S	US- 6,035,236	03-07-2000	JARDING et al.	
	T	US- 6,066,163	05-23-2000	JOHN	

FOREIGN PATENT DOCUMENTS

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Examiner Signature	Brian Gedeon	Date Considered	3/8/06
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Sheet 3

of

4

Complete if Known

Application Number	10/736,994
Filing Date	December 15, 2003
First Named Inventor	PAUL, Edward L., Jr.
Art Unit	N/A
Examiner Name	N/A
Attorney Docket Number	2C03.1-332

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Bfg	Y	Allen et al., "Macular Degeneration Treatment with Nutrients and Micro Current Electricity," Journal of Orthomolecular Medicine, 4 th Quarter 1998, Vol. 13, No. 4.	
↑	Z	Michael et al., "Nutritional Supplementation, Electrical Stimulation and Age Related Macular Degeneration," Indiana School of Optometry.	
	AA	Paul May, "Adenosine Triphosphate - ATP," Bristol University	
	AB	Cheng et al., "The Effects of Electrical Currents on ATP Generation, Protein Synthesis, and Membrane Transport in Rat Skin," Clinical Orthopedics and Related Research, No. 171, Nov.-Dec. 1982, pp. 264-272.	
	AC	Feher et al., "Mitotropic Compounds for the Treatment of Age Related Macular Degeneration, The Metabolic Approach and a Pilot Study," Ophthalmologica 2003:217, pp. 351-357.	
	AD	Optogon Corporation, "Making Microcurrent Stimulation Available to the Victims of Macular Degeneration," http://www.optogon.com .	
	AE	Micro Stim, "Transcutaneous Electrical Nerve Stimulation System, LED (Light Emitting Diode) Electrode System," Patient and Clinician Instruction Manual, pp. 1-13.	
	AF	Carley et al., "Electrotherapy for Acceleration of Wound Healing: Low Intensity Direct Current," Arch Phys Med Rehabil, Vol. 66, Issue 7, July 1985, pp. 443-446.	
	AG	Wolcott et al., "Accelerated Healing of Skin Ulcers by Electrotherapy: Preliminary Clinical Results," Southern Medical Journal, Vol. 62, Issue 7, July 1969, pp. 795-801.	
Bfg	AH	Gault et al., "Use of Low Intensity Direct Current in Management of Ischemic Skin Ulcers," Physical Therapy, Vol. 56, No. 3, March 1976, pp. 265-269.	
	AI	Ohno, T., "Experimental Studies of Influences on Healing Process of Mandibular Defect Stimulated by Microcurrent," Shikwa Gakuho, Journal of the Tokyo Dental College, Vol. 82, No. 9, Sept. 1982, pp. 1323-1353 (with English Abstract).	

Examiner Signature	Brian Gedion	Date Considered	3/8/06
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Sheet 4

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Application Number	10/736,994
Filing Date	December 15, 2003
First Named Inventor	PAUL, Edward L., Jr.
Art Unit	N/A
Examiner Name	N/A
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	AJ	Sinitzyn, et al., "Effect of Electrical Microcurrents on the Regeneration Processes in Skin Wounds," <i>Ortopediia i Travmatologiya i Protezirovaniye</i> , Vol. 1986, No. 2, Feb. 1986, pp. 25-28 (with English Abstract).	
Btz	AK	Nessler et al., "Direct-Current Electrical Stimulation of Tendon Healing in Vitro," <i>Clinical Orthopaedics and Related Research</i> , No. 217, April 1987, pp. 303-312	
↑	AL	Owoeye et al., "Low-Intensity Pulsed Galvanic Current and the Healing of Tenotomized Rat Achilles Tendons: Preliminary Report Using Load-to Breaking Measurements," <i>Archives of Physical Medicine and Rehabilitation</i> , Vol. 68, No. 7, July 1987, pp. 415-418.	
	AM	Altman, L.K., "Cell Channel Finding Earns Nobel Prize: Two Germans Found How Cells Control Their Electrical State," <i>New York Times</i> , Oct. 8, 1991, pp. C1, C3: Science Times Section.	
	AN	Richez, et al., "Bone Changes Due to Pulses of Direct Electrical Microcurrent," <i>Virchows ArchivA: Pathology, Pathologische Anatomie</i> , Vol. 357, No. 1, 1972, pp. 11-18.	
	AO	Byl et al., "Pulsed Microamperage Stimulation: A Controlled Study of Healing of Surgically Induced Wounds in Yucatan Pigs," <i>Physical Therapy</i> , Vol. 74, No. 3, March 1994, pp. 201-218.	
↓	AP	Bertolucci et al., "Clinical Comparative Study of Microcurrent Electrical Stimulation to Mid-Laser and Placebo Treatment in Degenerative Joint Disease of the Temporomandibular Joint," <i>Journal of Craniomandibular Practice</i> , Vol. 13, No. 2, April 1995, pp. 116-120.	
Btz	AQ	Wing, Thomas W., M.D., "Can ELF Help Your Patients?" <i>Chiropractic Economics</i> , March/April 1987.	

Examiner
Signature

Brian Gedeon

Date
Considered

3/2/06

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